

Cont'd
Q'

- (a) means for converting said image data into digital form having a plurality of digital data characteristics;
- (b) means for manipulating a laser beam according to said digital data characteristics by splitting said laser beam into a reference beam and at least one object beam;
- (c) means for irradiating a photosensitive surface with said reference beam and said at least one object beam to sequentially form each of said holograms, each having a distinct interference pattern, said interference pattern of each holographic pixel having characteristics of a corresponding discrete portion of said image data.

2. 90. The device of claim 89, further comprising :

a controller arranged

- B (d) means for adjusting distances between adjacent holographic pixels to indicate additional characteristics of said image data corresponding to said adjacent holographic pixels.

91. The device of claim 90, wherein:

said means for converting comprise means for obtaining data corresponding to pixels of said image.